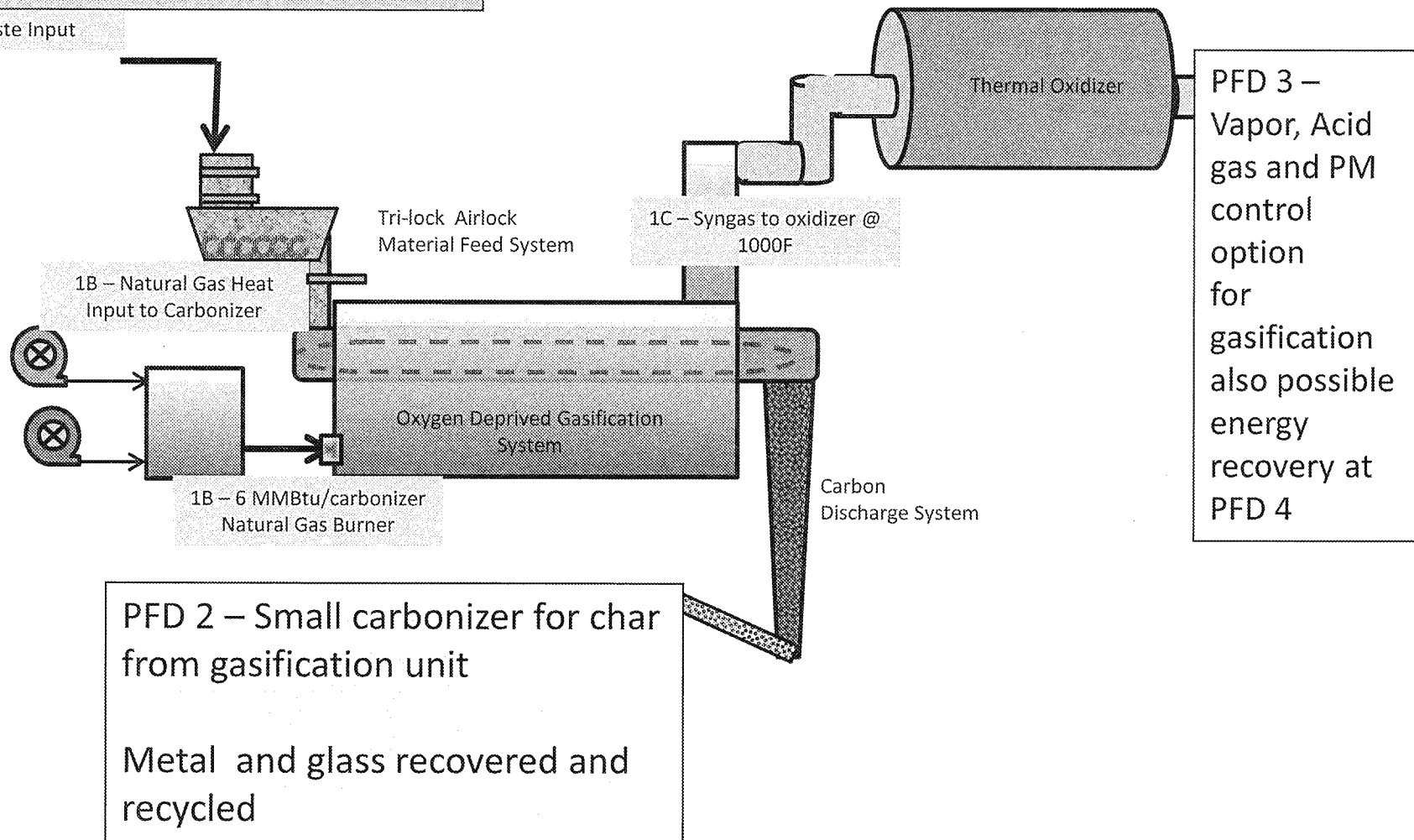


PFD 1 -Process Flow Diagram for Single Bio-Gasification Unit

1A Waste Input

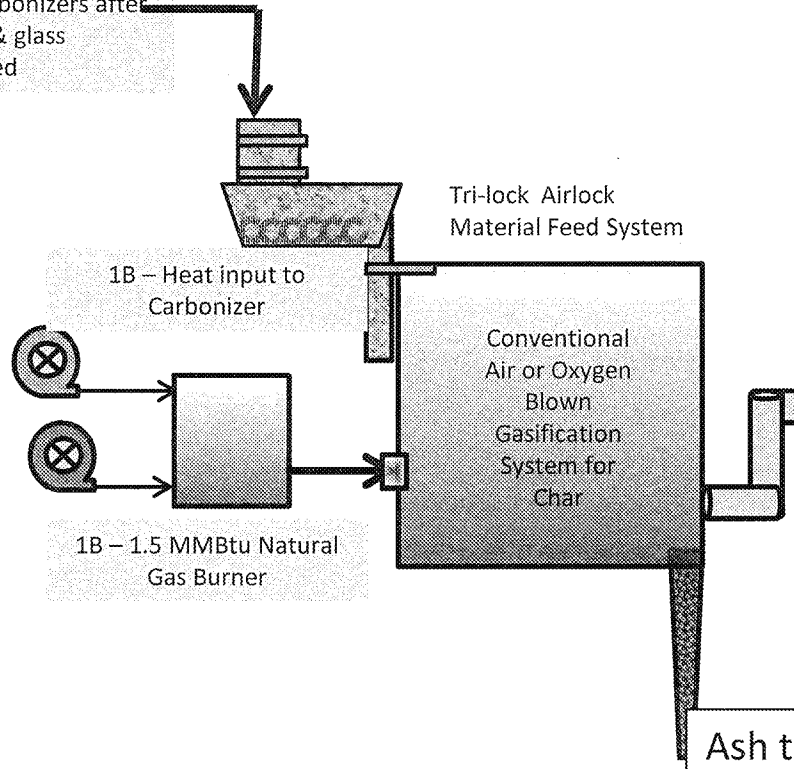
1D – Oxidizer exhaust @
1500F



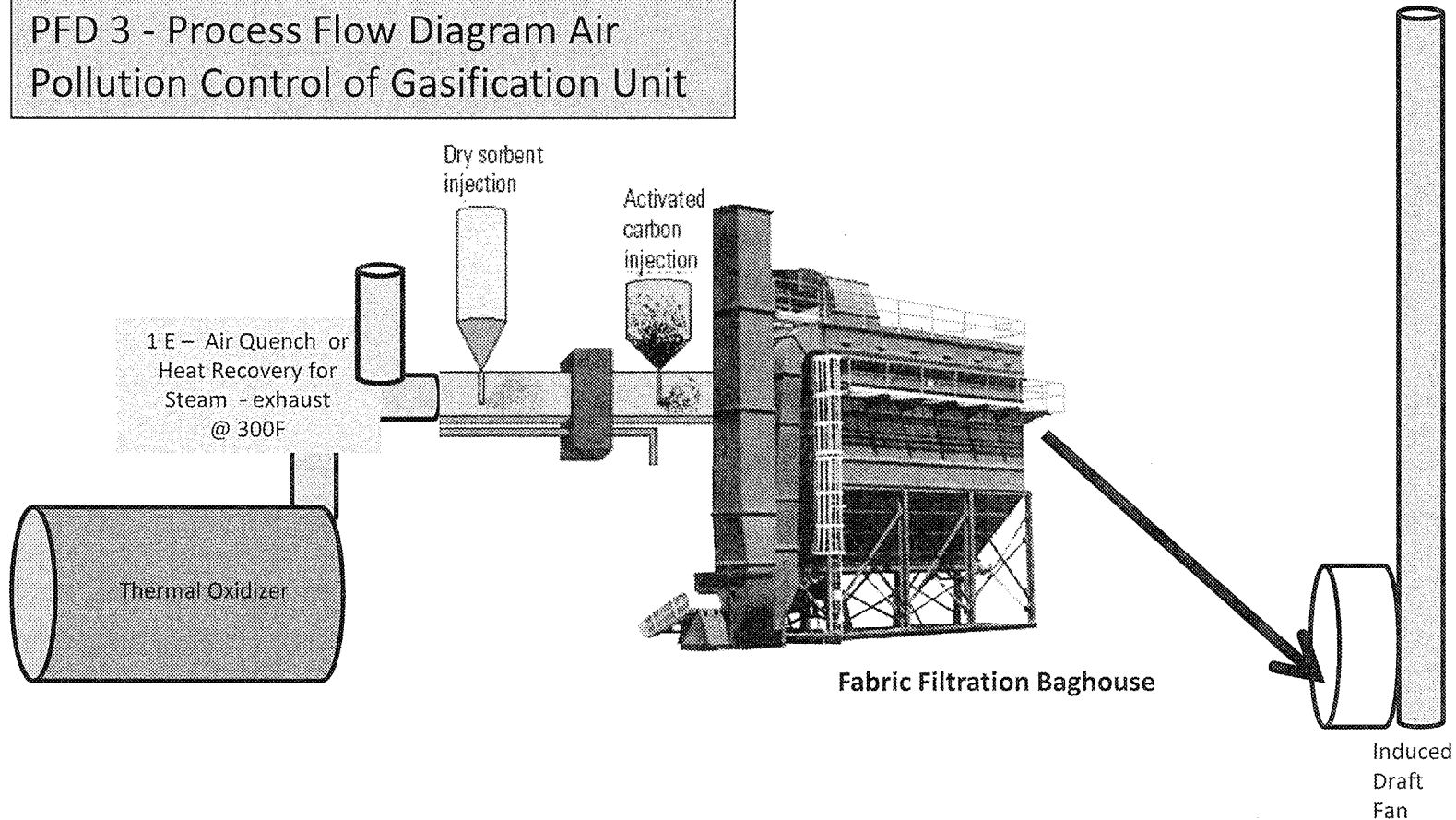
PFD 2 – Small carbonizer for
char from gasification unit
(optional to full pyrolysis in
large units)

PFD 3 – Vapor, Acid Gas and PM
control option for gasification

1A Char from 2 two-
ton carbonizers after
metal & glass
removed



PFD 3 - Process Flow Diagram Air Pollution Control of Gasification Unit



This option is based on controlling HCl resulting from PVC in hard plastics waste. Activated carbon injection is an option but is not projected to be needed for enhanced control of HAP.